

ABSTRACT

An FePt magnetic thin film, characterized in that it has an atomic composition represented by the following formula:

$\text{Fe}_x\text{Pt}_{100-x}$

wherein $19 < x < 52$;

and a method for manufacturing the FePt magnetic thin film. The FePt magnetic thin film is novel, can be formed at a lowered temperature, and further, has perpendicular magnetic anisotropy.